

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application.

**Listing of Claims:**

1-3. (Cancelled)

4. (Currently Amended) ~~The information—An information~~ transmitting apparatus ~~comprising: of claim 1,~~

an information storage part for storing information which includes an authentication identifier which identifies the information transmitting apparatus;

a sensing part for sensing an effect of movement of the information transmitting apparatus; and

an information transmission part for changing a characteristic of a signal that affects the distance the information is transmitted based on the effect of movement, and for transmitting the information which includes the authentication identifier.

wherein the information transmission part divides the effect of movement into a plurality of ranks, and transmits the stored information by a predetermined power according to each one of the ranks.

5.-6. (Cancelled).

7. (Previously Presented) An operation apparatus comprising:

(a) an information reception part for receiving information from an information transmitting apparatus, the information including an authentication identifier which identifies the information transmitting apparatus, the information transmitting apparatus comprising:

an information storage part for storing the information which includes the authentication identifier;

a sensing part for sensing an effect of movement of the information transmitting apparatus ; and

an information transmission part for changing a characteristic of a signal that affects a distance the information is transmitted based on the effect of movement, and for transmitting the information which includes the authentication identifier,

(b) an authentication part for carrying out authentication based on the received information, which includes the authentication identifier; and

(c) an operation part for carrying out a predetermined action when the authentication part issues a permission of authentication.

8. (Original) The operation apparatus of claim 7, wherein the apparatus is an automatic door and the operation part opens the door.

9. (Previously Presented) An information processing system comprising:

an information transmitting apparatus including:

an information storage part for storing information, including an authentication identifier which identifies the information transmitting apparatus;

a sensing part for sensing an effect of movement of the information transmitting apparatus ; and

an information transmission part for changing a characteristic of a signal which affects a distance the information is transmitted based on the effect of movement, and for transmitting the information, which includes the authentication identifier, and

an operation apparatus including:

an information reception part for receiving the information which includes the authentication identifier from the information transmitting apparatus;

an authentication part for carrying out authentication based on the received information, which includes the authentication identifier; and

an operation part for carrying out a predetermined action when the authentication part issues a permission of authentication.

10. (Previously Presented) The information processing system of claim 9, wherein the effect of movement is at least one effect of movement selected from the group consisting of a moving speed, moving acceleration, a traveling distance, and a traveling route of the information transmitting apparatus, wherein the sensing part senses the effect of movement, and the information transmission part is a communication means in accordance with a Bluetooth standard.

11. (Previously Presented) The information processing system of claim 9, wherein the information transmission part divides the effect of movement into a plurality of ranks, and transmits the stored information by a predetermined power according to each one of the ranks.

12. (Previously Presented) A computer readable medium, including a program for causing a computer to execute the steps of:

storing information which includes an authentication identifier which identifies the information transmitting apparatus;

sensing an effect of movement of an information transmitting apparatus; and

transmitting (1) information for changing a characteristic of a signal that affects the distance the information is transmitted based on the effect of movement and (2) the stored information which includes the authentication identifier.

13. (Previously Presented) The computer readable medium of claim 12, wherein the step of sensing is to sense at least one effect of movement selected from the group consisting of a moving speed, moving acceleration, a traveling distance, and a traveling route of the information transmitting apparatus.

14. (Previously Presented) The computer readable medium of claim 12, wherein the step of sensing includes a step of sensing a moving speed of the information transmitting apparatus, and the step of transmitting includes a step of changing the

characteristic of the signal that affects the distance the information is transmitted based on the speed before transmitting the information.

15. (Previously Presented) The computer readable medium of claim 12, wherein the step of sensing includes a step of sensing acceleration of the moving information transmitting apparatus, and the step of transmitting includes a step of changing the characteristic of the signal that affects the distance the information is transmitted based on the acceleration before transmitting the information.